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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAW-5250-2020

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Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2016 - 2023

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Bölümü, Turkey 2013 - 2016

Undergraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Bölümü, Turkey 2008 - 2012

Dissertations

Doctorate, Büyük Ölçekli Yazılım Tanımlı Ağlarda (SDN) Yük Dengeleme Probleminin Optimizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2023

Postgraduate, BİR UZABULUNUM ROBOTUN TASARIMI VE GERÇEKLENMESİ, Karadeniz Technical University, -, Bilgisayar Mühendisliği, 2016

Academic Titles / Tasks

Lecturer, Karadeniz Technical University, Trabzon Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2022 - Continues

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2013 - 2022

Courses

Operating systems, Associate Degree, 2023 - 2024

Object Oriented Programming - I, Associate Degree, 2023 - 2024

Web Design Fundamentals, Associate Degree, 2022 - 2023

Professional English - I, Associate Degree, 2023 - 2024

Professional English II, Associate Degree, 2022 - 2023

Algorithm and Programming, Associate Degree, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Real-time application of a demand-side management strategy using optimization algorithms**
Tüysüz M., Okumuş H. I., Aymaz Ş., Çavdar B.
APPLIED ENERGY, vol.368, pp.1-17, 2024 (SCI-Expanded)
- II. **A Framework for Elephant Flow Detection for SDNs Based on the Classification**
Çavdar T., Aymaz Ş., Aymaz S.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.49, no.3, pp.4243-4252, 2024 (SCI-Expanded)
- III. **Efficient Routing by Detecting Elephant Flows with Deep Learning Method in SDN**
Aymaz Ş., Cavdar T.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.23, no.3, pp.57-66, 2023 (SCI-Expanded)
- IV. **New approach to dynamic load balancing in software-defined network-based data centers**
Çavdar T., Aymaz Ş.
ETRI JOURNAL, vol.45, no.3, pp.433-447, 2023 (SCI-Expanded)
- V. **A novel approach with the dynamic decision mechanism (DDM) in multi-focus image fusion**
Aymaz S., KÖSE C., AYMAZ Ş.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.82, no.2, pp.1821-1871, 2023 (SCI-Expanded)
- VI. **Multi-focus image fusion for different datasets with super-resolution using gradient-based new fusion rule**
Aymaz S., KÖSE C., AYMAZ Ş.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.79, pp.13311-13350, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **A new classification-based approach for multi-focus image fusion**
AYMAZ S., AYMAZ Ş., KÖSE C.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, pp.12-26, 2024 (ESCI)
- II. **MEASUREMENT OF ENERGY CONSUMPTION OF WSN FOR INDOOR ENVIRONMENT**
AYMAZ Ş., HACIOĞLU G.
International Journal of Energy Applications and Technologies, vol.4, no.2, pp.87-93, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Load Balancing with a New Approach for Dynamic Server Selection in Software Defined Network**
AYMAZ Ş., ÇAVDAR T., Aymaz S.
The 1st International Conference on Electrical-Electronics and Computer Engineering (ICEECE 2021), Trabzon, Turkey, 24 - 25 July 2021
- II. **An Analysis of Load Balancing Strategies with Wireshark in Software Defined Networks**
AYMAZ Ş., ÇAVDAR T., Aymaz S., ÖZTÜRK E.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- III. **A New Hybrid Approach with Perona-Malik Improvement for Multi-focus Image Fusion**
Aymaz S., DİZDAROĞLU B., KÖSE C., AYMAZ Ş.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- IV. **Measurement of Energy Consumption of WSN for Indoor Environment**
AYMAZ Ş., HACIOĞLU G.
5th International Conference on Advanced Technology & Sciences, İstanbul, Turkey, 9 - 12 May 2017, pp.1-4
- V. **Fire Evacuation Route Determination based on Particle Swarm Optimization**
AYMAZ Ş., ÇAVDAR T., DÖNMEZ ÇAVDAR A.

2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017

VI. Uzabulum Robotlarda Konum Tespiti

ÇAVDAR T., AYMAZ Ş., AYMAZ S.

2016 Otomatik Kontrol Ulusal Toplantısı TOK'2016, Eskişehir, Turkey, 29 September - 01 October 2016

VII. Ultrasonic Assistive Headset for Visually Impaired People

AYMAZ Ş., ÇAVDAR T.

39th International Conference on Telecommunications and Signal Processing (TSP), Vienna, Austria, 27 - 29 June 2016, pp.388-391

VIII. Detection of Copy Move Forgery using Legendre Moments

Aymaz S., AYMAZ Ş., ULUTAŞ G.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1125-1128

IX. Bir Uzabulum (Telepresence) Robotun Tasarımı ve Gerçeklenmesi

ÇAVDAR T., AYMAZ Ş.

Mühendislikte Yeni Teknolojiler Sempozyumu (MYT 2015), Bayburt, Turkey, 22 - 24 October 2015

Supported Projects

ÖZTEKİN KULOĞLU E., AKYAZ ALAÇAM S., AYGÜN Ö., NAS E., YILMAZ E., ÜÇÜNCÜ F., DİNCER N., AYMAZ Ş., AKKOYUN F., Project Supported by Higher Education Institutions, Eğitimi ve Araştırmayı Desteklemek için Bilgisayar Teknolojileriyle Entegre Eklemeli İmalat Laboratuvarının Kurulması, 2023 - Continues

ÇAVDAR T., AYMAZ Ş., Project Supported by Higher Education Institutions, Büyük Ölçekli Yazılım Tanımlı Ağlarda SDN Yük Dengeleme Probleminin Optimizasyonu, 2021 - 2022

Metrics

Publication: 17

Citation (WoS): 41

Citation (Scopus): 61

H-Index (WoS): 3

H-Index (Scopus): 4